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	Application No.	Applicant(s)
Notice of Allowability	10/660,091	HANSEL ET AL.
	Examiner	Art Unit
	Walter L. Lindsay, Jr.	2812
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Report of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this applied to the communication IGHTS. This application is subject to	plication. If not included not included not included not included in due course. THIS
1. This communication is responsive to <u>Amendment filed on 10/01/2004</u> .		
2. ☑ The allowed claim(s) is/are <u>1,3-6 and 8-10</u> .		
3. $igotimes$ The drawings filed on <u>01 October 2004</u> are accepted by th	e Examiner.	
 4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subminsformal pattern application (PTO-152) which give 	e been received. e been received in Application No cuments have been received in this of this communication to file a reply MENT of this application.	national stage application from the complying with the requirements 'S AMENDMENT or NOTICE OF
 CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner' Paper No./Mail Date 	son's Patent Drawing Review (PTO-	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawii he header according to 37 CFR 1.121(ngs in the front (not the back) of d).
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/C Paper No./Mail Date 10/30/2003 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Da 08), 7. ☑ Examiner's Amenda	te
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DETAILED ACTION

This Office Action is in response to an Amendment filed 10/01/2004 Currently claims 1, 3-6 and 8-10 are pending.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows: Claims 3 and 5 which depend from canceled claim 2, is amended to depend from claim 1.

Drawings

2. The drawings were received on 10/01/2004. These drawings are acceptable.

Specification

3. The specification has been placed in an acceptable arrangement.

Claim Rejections - 35 USC § 112

4. The 112 issues have been corrected.

Allowable Subject Matter

- 5. Claims 1, 3-6 and 8-10 are allowed.
- 6. The following is an examiner's statement of reasons for allowance: the prior art, either singly or in combination fails to anticipate or render obvious, the limitations of:

... wherein a planarization of the filling is carried out in zeroth etching step before the first etching step in such a way that the filling projects above the surface of the semiconductor structure by a second height, the filling covering the trench and the periphery of the trench, the zeroth etching step having a higher etching rate than the first etching step, as required by claim 1; and

... wherein the etchant composition contains SF₆, Ar and Cl₂, as required by claim 10.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Walter L. Lindsay, Jr. whose telephone number is (571) 272-1674. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John F Niebling can be reached on (571) 272-1679. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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John F. Niebling

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